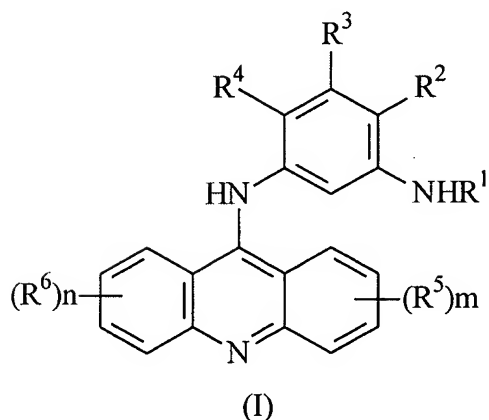


Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A compound of the following Formula (I)



wherein,

R¹ is hydrogen, COR^a, or COOR^a;

each of R², R³ and R⁴ is, independently, hydrogen, C₁-C₁₀ alkyl, or OR^b, with the proviso that R², R³ and R⁴ cannot all be hydrogen;

each of R⁵ and R⁶ is, independently, hydrogen, C₁-C₆ alkyl, OR^c, nitro, halo, N(R^c)₂, NH(CH₂)_pN(R^c)₂, (CH₂)_qOH, (CH₂)_qX, CONHR^c, CONH(CH₂)_pN(R^c)₂, SO₃R^c, or SO₂R^c with the proviso that when R¹ is hydrogen and R⁴ is CH₃, R⁵ and R⁶ cannot both be hydrogen; and each of m and n, is independently, 0-4;

in which R^a is aryl, or C₁-C₁₀ alkyl, optionally substituted with oxo; R^b is C₁-C₁₀ alkyl; R^c is

hydrogen or C₁-C₁₀ alkyl; p is 1-5; and q is 1-3.

2. (Original) The compound of claim 1, wherein one of R², R³ and R⁴ is C₁-C₆ alkyl or OR^b and one of R², R³ and R⁴ is hydrogen.

3. (Original) The compound of claim 2, wherein R¹ is hydrogen.

4. (Original) The compound of claim 2, wherein R¹ is COR^a or COOR^a.

5. (Original) The compound of claim 4, wherein R^a is C₁-C₄ alkyl, optionally substituted with oxo.

6. (Original) The compound of claim 2, wherein each of R⁵ and R⁶ is independently, hydrogen, C₁-C₆ alkyl, OR^c or CONHR^c, or CONH(CH₂)_pN(R^c)₂, and each of m and n is, independently, 1.

7. (Original) The compound of claim 6, wherein R^c is C₁-C₄ alkyl and p is 2.

8. (Original) The compound of claim 2, wherein one of R², R³ and R⁴ is C₁-C₄ alkyl or OR^b, R^b being C₁-C₄ alkyl.

9. (Original) The compound of claim 8, wherein R¹ is COR^a or COOR^a, R^a being C₁-C₄ alkyl, optionally substituted with oxo.

10. (Original) The compound of claim 8, wherein R¹ is H.

11. (Original) The compound of claim 8, wherein R⁵ and R⁶ are each independently hydrogen, C₁-C₆ alkyl, OR^c or CONHR^c, or CONH(CH₂)_pN(R^c)₂; and each of m and n is,

independently, 1.

12. (Original) The compound of claim 11, wherein R^c is C_1 - C_4 alkyl and p is 2.
13. (Original) The compound of claim 2, wherein one of R^2 , R^3 and R^4 is CH_3 or OCH_3 .
14. (Original) The compound of claim 13, wherein R^1 is COR^a or $COOR^a$.
15. (Original) The compound of claim 14, wherein R^a is C_1 - C_4 alkyl, optionally substituted with oxo.
16. (Original) The compound of claim 15, wherein R^1 is $COCH_2CH_2COCH_3$ or $COOCH_2CH_3$.
17. (Original) The compound of claim 16, wherein R^5 and R^6 are each independently hydrogen, C_1 - C_6 alkyl, OR^c , $CONHR^c$, or $CONH(CH_2)_pN(R^c)_2$; and each of m and n is, independently, 1.
18. (Original) The compound of claim 17, wherein R^c is C_1 - C_4 alkyl and p is 2.
19. (Original) The compound of claim 18, wherein R^5 is $CONH(CH_2)_2N(CH_3)_2$ and R^6 is CH_3 .
20. (Original) The compound of claim 19, wherein R^5 and R^6 are at the C-4 and C-5 positions of the acridine ring, respectively.
21. (Original) The compound of claim 20, wherein the compound is {3-[4-(2-dimethylamino-ethylcarbamoyl)-5-methyl-acridin-9-ylamino]-5-methyl-phenyl}-carbamic acid

ethyl ester, or {3-[4-(2-dimethylamino-ethylcarbamoyl)-5-methyl-acridin-9-ylamino]-4-methyl-phenyl}-carbamic acid ethyl ester.

22. (Original) The compound of claim 13, wherein R^1 is hydrogen.

23. (Original) The compound of claim 22, wherein R^5 and R^6 are each independently hydrogen, C_1 - C_6 alkyl, OR^c CONHR^c, or CONH(CH₂)_pN(R^c)₂, and each of m and n is, independently, 1.

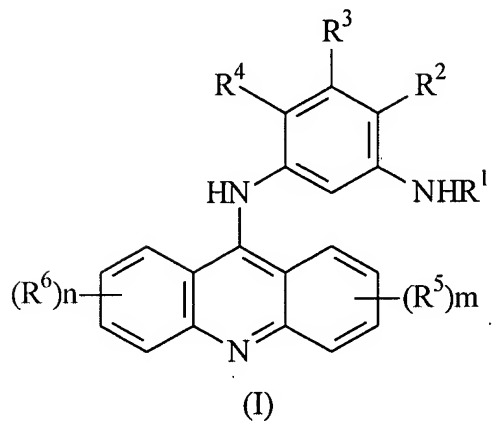
24. (Original) The compound of claim 23, wherein R^c is C_1 - C_4 alkyl and p is 2.

25. (Original) The compound of claim 24, wherein R^5 is CONH(CH₂)₂N(CH₃)₂ and R^6 is CH₃.

26. (Original) The compound of claim 25, wherein R^5 and R^6 are at the C-4 and C-5 positions of the acridine ring, respectively.

27. (Original) The compound of claim 26, wherein the compound is [9-(1-amino-5-methyl-phenyl)amino]-5-methyl-acridine-4-carboxylic acid (2-dimethylamino-ethyl)-amide or [9-(5-amino-2-methyl-phenyl)amino]-5-methyl-acridine-4-carboxylic acid (2-dimethylamino-ethyl)-amide.

28. (Currently Amended) A pharmaceutical composition comprising a compound of Formula (I):



wherein,

R¹ is hydrogen, COR^a, or COOR^a;

each of R², R³ and R⁴ is, independently, hydrogen, C₁-C₁₀ alkyl, or OR^b, with the proviso that R², R³ and R⁴ cannot all be hydrogen;

each of R⁵ and R⁶ is, independently, hydrogen, C₁-C₆ alkyl, OR^c, nitro, halo, N(R^c)₂, NH(CH₂)_pN(R^c)₂, (CH₂)_qOH, (CH₂)_qX, CONHR^c, CONH(CH₂)_pN(R^c)₂, SO₃R^c, or SO₂R^c with the proviso that when R¹ is hydrogen and R⁴ is CH₃, R⁵ and R⁶ cannot both be hydrogen; and each of m and n, is independently, 0-4;

in which R^a is aryl, or C₁-C₁₀ alkyl, optionally substituted with oxo; R^b is C₁-C₁₀ alkyl; R^c is hydrogen or C₁-C₁₀ alkyl; p is 1-5; and q is 1-3; and a pharmaceutically acceptable salt or carrier.

29. (Currently Amended) The composition of claim 28, wherein ~~the compound is a compound of claim 7~~ one of R², R³ and R⁴ is C₁-C₆ alkyl or OR^b and one of R², R³ and R⁴ is hydrogen; each of R⁵ and R⁶ is independently, hydrogen, C₁-C₆ alkyl, OR^c or CONHR^c, or

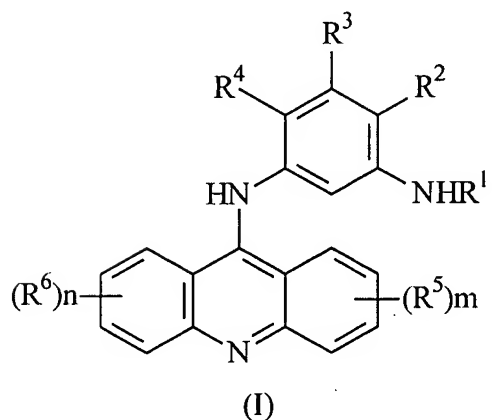
CONH(CH₂)_pN(R^c)₂; each of m and n is, independently, 1; R^c is C₁-C₄ alkyl; and p is 2.

30. (Currently Amended) The composition of claim 28, wherein ~~the compound is a compound of claim 13~~ one of R², R³ and R⁴ is CH₃ or OCH₃ and one of R², R³ and R⁴ is hydrogen.

31. (Currently Amended) The composition of claim 28, wherein the compound is a ~~compound of claim 21~~ {3-[4-(2-dimethylamino-ethylcarbamoyl)-5-methyl-acridin-9-ylamino]-5-methyl-phenyl}-carbamic acid ethyl ester, or {3-[4-(2-dimethylamino-ethylcarbamoyl)-5-methyl-acridin-9-ylamino]-4-methyl-phenyl}-carbamic acid ethyl ester.

32. (Currently Amended) The composition of claim 28, wherein the compound is a ~~compound of claim 27~~ [9-(1-amino-5-methyl-phenyl)amino]-5-methyl-acridine-4-carboxylic acid (2-dimethylamino-ethyl)-amide or [9-(5-amino-2-methyl-phenyl)amino]-5-methyl-acridine-4-carboxylic acid (2-dimethylamino-ethyl)-amide.

33. (Currently Amended) A method of treating cancer, comprising administering to a subject in need thereof an effective amount of the compound of Formula (I): [[.]]



wherein,

R^1 is hydrogen, COR^a , or COOR^a ;

each of R^2 , R^3 and R^4 is, independently, hydrogen, $\text{C}_1\text{-C}_{10}$ alkyl, or OR^b , with the proviso that R^2 , R^3 and R^4 cannot all be hydrogen;

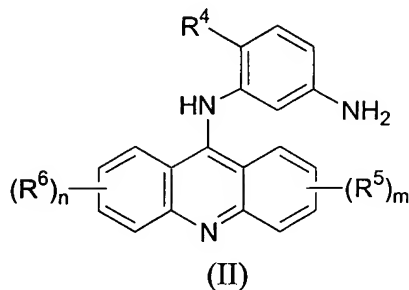
each of R^5 and R^6 is, independently, hydrogen, $\text{C}_1\text{-C}_6$ alkyl, OR^c , nitro, halo, $\text{N}(\text{R}^c)_2$,

$\text{NH}(\text{CH}_2)_p\text{N}(\text{R}^c)_2$, $(\text{CH}_2)_q\text{OH}$, $(\text{CH}_2)_q\text{X}$, CONHR^c , $\text{CONH}(\text{CH}_2)_p\text{N}(\text{R}^c)_2$, SO_3R^c , or SO_2R^c with the proviso that when R^1 is hydrogen and R^4 is CH_3 , R^5 and R^6 cannot both be hydrogen; and each of m and n, is independently, 0-4;

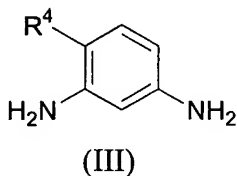
in which R^a is aryl, or $\text{C}_1\text{-C}_{10}$ alkyl, optionally substituted with oxo; R^b is $\text{C}_1\text{-C}_{10}$ alkyl; R^c is hydrogen or $\text{C}_1\text{-C}_{10}$ alkyl; p is 1-5; and q is 1-3.

34. (Original) The method of claim 33, wherein the cancer is colon cancer, stomach cancer, brain cancer, breast cancer, or leukemia.

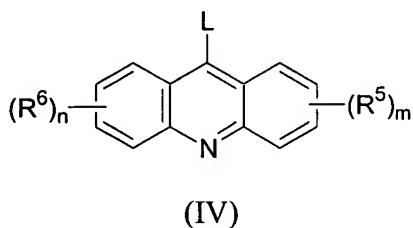
35. (Currently Amended) A method for synthesizing a compound of Formula (II):



the method comprising: contacting a compound of Formula (III):



with a compound of Formula (IV):



to form a compound of Formula ~~(IV)~~ (II), wherein:

R^4 is C_1 - C_{10} alkyl or OR^b ;

each of R^5 and R^6 is, independently, hydrogen, C_1 - C_6 alkyl, OR^c , nitro, halo, $N(R^c)_2$,

$NH(CH_2)_pN(R^c)_2$, $(CH_2)_qOH$, $(CH_2)_qX$, $CONHR^c$, $CONH(CH_2)_pN(R^c)_2$, SO_3R^c , or SO_2R^c ; and

each of m and n, is independently, 0-4;

in which R^a is aryl, or C₁-C₁₀ alkyl, optionally substituted with oxo; R^b is C₁-C₁₀ alkyl; R^c is hydrogen or C₁-C₁₀ alkyl; p is 1-5; q is 1-3;

L is halo, OSO₂R⁷, or OR⁷; and

R⁷ is alkyl, haloalkyl, or aryl optionally substituted with halo or nitro.